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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER

HUYNH, CONG LAC T

ART UNIT PAPER NUMBER

2178

DATE MAILED: 12/13/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/727,491

Applicant(s)

CHEN ET AL.

Examiner

Cong-Lac Huynh

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 19 September 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6,9-12 and 14-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6,9-12 and 14-18 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

1. This action is responsive to communications: amended filed 9/19/05 to the application filed on 12/04/00.
2. Claims 7-8, 13, 19-20 are canceled.
3. Claims 1-6, 9-12, 14-18 are pending in the case. Claims 1, 11, 14 are independent claims.
4. The objections of claims 8, 13 and 20 have been withdrawn in view of the cancellation of claims 8, 13 and 20.
5. The rejections of claims 1-6, 9-12, 14-18 under 35 U.S.C. 112, second paragraph have been withdrawn in view of the amendment.
6. The rejections of claims 1-2, 6-14, 18 under 35 U.S.C. 103(a) as being unpatentable over Gibbon in view of Lichtenstein and Yokouchi have been withdrawn in view of Applicants' arguments.

Claim Rejections - 35 USC § 103

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein

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were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

9. Claims 1-2, 6, 9-14, 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gibbon ((US Pat No. 6,473,778 B1, 10/29/02, filed 2/1/99, priority 12/24/98).

Regarding independent claim 1, Gibbon discloses:

- incorporating multimedia assets into a framework as a series of related frames (figure 6, #612, #614, col 11, line 17 to col 12, line 6)
- creating a multimedia description file in a template for formatting multimedia assets (col 5, lines 1-19; figure 9, col 13, lines 63-67)
- combining the multimedia assets and the multimedia description file in the template through an automated processing program to create a multimedia repository file executable on a multimedia player (figure 9, col 13, line 53 to col 14, line 7)
- creating hypermedia documents from conventional transcription of television programs wherein a hypermedia document is created by inserting multimedia content into the template using an *automated* method and an *automated*

multimedia authoring tool for (col 2, lines 46-53, figure 9, and col 13, line 53 to col 14, line 7)

Gibbon does not disclose explicitly a batch-processing program to create a multimedia repository file executable on a multimedia player.

However, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to have modified Gibbon to include a batch-processing program to create a multimedia file since the fact that the multimedia assets and the multimedia description file are combined into one file executable on a multimedia player of the computer suggests that said combined file is implemented based on a batch mode program.

Gibbon further discloses:

- storing the multimedia description file and the multimedia repository file as a single multimedia description/multimedia repository file on a storage device (figure 9: the fact that the HTML file, which is a combination of the description file and the image, video and audio, exists implies that said HTML file is stored for use)
- accessing the multimedia description file by at least one authoring session manager for access to the multimedia assets, (col 3, lines 18-28, 45-57, col 2, lines 8-12, figure 9 and col 13, line 53 to col 14, line 7: *accessing a large multimedia database* using *standard text* information retrieval system, selecting the best multimedia data for creating the content of a multimedia file)

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- the series of related frames comprising a thumbnail frame, a meta frame, and one or more media frames (col 12, lines 7-34: the slide show icon in the slide show document is equivalent to a thumbnail frame, the video frames are media frames, and the frame-reference transcript is equivalent to the meta frame, all are related frames of a hypermedia document)

Gibbon does not disclose that the series of related frames comprising a header frame and an end of sequence frame.

However, it would have been obvious to an ordinary skill in the art at the time of the invention was made to have modified Gibbon to include the header frame and the end of sequence frame since a hypermedia document should have a title which is disclosed in the first frame of the slide show and should have an ending which is disclosed in the last frame of the frame sequence.

Gibbon does not disclose:

- creating a modified multimedia description file in a template
- creating a modified multimedia repository file upon combination of the multimedia assets and the modified multimedia description file
- for each authoring session manager, storing a modified multimedia description/multimedia repository file on a storage device associated with the authoring session manager, wherein the modified multimedia repository file is configured for execution on a multimedia player

However, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to include into Gibbon the creation of a modified multimedia

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description file, which is merely modifying the multimedia description file, and the creation of the modified repository file, which is merely modifying the multimedia repository file caused by modifying the description file, which is a component of the multimedia repository file for the following reason. Whenever images or audio data is changed or added, the description file for the image and audio data will be modified to be proper to the change. Therefore, it is understandable that the multimedia repository file, which is combined by a *modified* multimedia description file and the multimedia data, is modified. And, since the combined multimedia repository file is modified, storing such a modified file was known as a must step to keep data for later use.

Regarding claims 2 and 9, which are dependent on claim 1, Gibbon discloses injecting other content into the multimedia description file (col 5, lines 1-19: placing anchors elsewhere in the text, modify the list to improve the document layout; col 2, lines 8-12: generating a hypermedia document in response to the user request using a selected template implies that the multimedia content must be injected into the template, which is equivalent to the multimedia content description file, for said generating).

Regarding claim 6, which is dependent on claim 1, Gibbon discloses managing the creation of the template and the multimedia content description file in stages by different users (figure 9 and col 13, line 53 to col 14, line 7, col 2, lines 8-12).

Regarding claim 10, which is dependent on claim 1, Gibbon discloses that the multimedia repository file is a multimedia container in a binary format (col 11, lines 63-

67: since the video frames extracted in digital format via the analog-to-digital converter, the multimedia file including video frames should also be in digital format, that means in the 1s and 0s of binary numbers).

Claims 11-12 are for a system of method claims 1 and 6 and are rejected under the same rationale.

Claims 14, 18 are for a program medium of method claims 1-2, 6, and are rejected under the same rationale.

Claim 13 is for a system of method claim 7, and is rejected under the same rationale.

10. Claims 3-5, 15-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gibbon as applied to claims 1 and 14 above, and further in view of Hui (US Pat No. 6,654,030 B1, 11/25/03, filed 3/31/99).

Regarding claim 3, which is dependent on claim 1, Gibbon does not disclose creating an XML based MVR file.

Hui discloses a XML-based video file (figure 1 and col 2, line 59 to col 3, line 30).

It would have been obvious to one of ordinary skill in the art at the time of the invention was made to have combined Hui into Gibbon since the XML-based video file in Hui suggests creating a multimedia file in XML-based format, providing the advantage to

apply the XML-based format instead of the HTML-based format to the multimedia file in Gibbon (figure 9) for enhancing the display of multimedia files on the web such as synchronizing the video files, a feature that HTML does not provide to multimedia.

Regarding claim 4, which is dependent on claim 1, Gibbon does not disclose using a textual editor to create an MVR-XML file.

Hui discloses a XML-based video file (figure 1 and col 2, line 59 to col 3, line 30).

It would have been obvious to one of ordinary skill in the art at the time of the invention was made to have combined Hui into Gibbon since the XML-based multimedia file would provide the advantage to apply to the HTML-based multimedia file, which is also in markup language-based for conveying more features for a media file such as video synchronizing, and it was well known in the art that the multimedia file in XML or HTML format, which is a text file, is created using any text editor.

Regarding claim 5, which is dependent on claim 1, Gibbon does not disclose using an MVR-XML file as a data interchange among other Rich Media Content creation applications.

Hui discloses using an MVR-XML file as a data interchange among other Rich Media Content creation applications (col 4, lines 49-65 and figure 4: disk 3 has media files for different applications).

It would have been obvious to one of ordinary skill in the art at the time of the invention was made to have combined Hui into Gibbon since Hui discloses using an MVR-XML

file as a data interchange among other Rich Media Content creation applications providing the advantage to replace the MVR-HTML file in Gibbon for advanced features for video files such as video synchronizing.

Claims 15-17 are a medium of method claims 3-5, and are rejected under the same rationale.

Response to Arguments

11. Applicant's arguments with respect to claims 1-20 have been considered but are moot in view of the new ground(s) of rejection.

Applicants argue that Gibbon fails to disclose that the related frames comprise a header frame, a thumbnail frame, a meta frame, one or more media frames and an end of sequence frame (Remarks, page 10).

Examiner agrees that Gibbon may not disclose all of these frames. However, Gibbon does teach a thumbnail frame, a meta frame, and one or more media frames and suggests the other frames (see claim 1 rejection).

Applicants argue that Gibbon fails to disclose combining of multimedia assets and a multimedia description file to create a multimedia repository file that is executable on a multimedia player (Remarks, page 10).

Examiner respectfully disagrees.

Gibbon teaches that the hypermedia document is created by combining of images, audio, video, image descriptors, text descriptors, closed caption or transcription, and templates (figure 9), where image, audio and video are multimedia assets, and the image descriptors, text descriptors are multimedia description files, in a HTML document. Since the HTML document with multimedia data can be played on a computer, said HTML document is executable on the multimedia player of the computer.

Applicants argue that Gibbon does not disclose storing the multimedia description file and the multimedia assets into a single multimedia repository file (Remarks, page 11). Examiner respectfully disagrees.

Since Gibbon discloses combining the multimedia assets and the description file into a single multimedia repository file, Gibbon should perform storing the combined multimedia file for later use.

Applicants argue that Gibbon fails to disclose the creation of a modified multimedia description file and the creation of a modified multimedia repository file through the accessing of the multimedia repository file and storing the modified multimedia repository file (Remarks, page 11).

Examiner agrees.

However, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to include into Gibbon the creation of a modified multimedia

description file, which is merely modifying the multimedia description file, and the creation of the modified repository file, which is merely modifying the multimedia repository file caused by modifying the description file, which is a component of the multimedia repository file for the following reason. Whenever images or audio data is changed or added, the description file for the image and audio data will be modified to be proper to the change. Therefore, it is understandable that the multimedia repository file, which is combined by a modified multimedia description file and the multimedia data, is modified. And, since the combined multimedia repository file is modified, storing such a modified file was known as a must step for keeping data for later use.

Conclusion

12. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Wissner (US Pat No. 5,754,851).

Kumar et al. (US Pat No. 6,356,921).

Bergman et al. (US Pat No. 6,564,263).

Cohen et al. (US Pat No. 6,947,954).

Liu et al. (US Pat No. 6,523,046).

Vahalia et al. (US Pat No. 6,973,455).

Arcuri et al. (US Pat No. 6,792,475).

Duncumbe (US Pat No. 6,430,582).

Nestor et al. (US Pat No. 5,864,338).

Min et al. (US Pat App Pub No. 2002/0120634).

Chang et al. (US Pat App Pub No. 2003/0187811).

13. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cong-Lac Huynh whose telephone number is 571-272-4125. The examiner can normally be reached on Mon-Fri (8:30-6:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Hong can be reached on 571-272-4124. The fax phone number for the organization where this application or proceeding is assigned is 571-273-4125.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Cong-Lac Huynh
Primary Examiner
Art Unit 2178
12/5/05